

MECHANISM FOR DYNAMICALLY-ALLOCATED VARIABLES IN AN ARBITRARY-CONTEXT TRACING FRAMEWORK

Abstract

A method of dynamically allocating a variable in a tracing framework, including allocating a dynamic memory in the tracing framework having a plurality of data chunks, placing at least one of the plurality of data chunks onto a free list, allocating the at least one of the plurality of data chunks on the free list to store the variable and removing the at least one of the plurality of data chunks from the free list, deallocating the at least one of the plurality of data chunks and placing the at least one of the plurality of data chunks on a dirty list, and cleaning the at least one of the plurality of data chunks on the dirty list using a cleaning procedure to place the one of the plurality of data chunks on the free list.

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